CALEN DAR AND CLOCK L.VALLIAPPAN 39111054 U What is the angle between the two hands of a 193111355 clock when the time shown by the clock is 6:30 a.100 b.)50 0130 Mis = 30(6)-11(15) => 180-15 => 180-165 = 15 2) At what time detween 3 and 4's clock will the minute hand and the hour hand are on the same straight line but facing opposite di) 3:39 Yn ga 3:49 Yn directions. a) 3:49 b.) 3:15 180= 11(m)- 30(h) 180= 11 (m) = 90 => 270 = 11 cm) => 540=11m => m= 49 1 180= 12 (m) - 30 (3) 3.) By how many degree does the minute hand move in the same time, in which the hour hard move by 280? 47376 a.) 168 16.1 336 c) 196 1HY 360 1/2° 200) 3%. 1 division = 5 mins × 6° = 30° It will move 280° in 30° = 28° hours. 5. It. will wove = 28 x 360 = 3360 It will complete 9 rounds completely and 120 more. 4) At what time, between 3'o clock and 4'o clock, both the hour hand and minute hand coincide a each other?

a.1 3:30 b.) 3:16 1 07 3:16 1/4 d) 3:16 1/11 coincide at 65 5/11 3:15 - 15/11 3:16 4/11

5) How many degree will the minute hand move, in the & LVALLIAPPAN some time in which the second hard move 4800. 39111054 198111355 C-140 -84 80 6.190 a) 60 4800 see = 80 mins 1 min = .60° FOT to CATA LOGBO" 6) How many years have 29 days in February from 2001 to 2100? a)26 b) 25 c) 28 की 24 are= 2096 d=4 a=2004 2100 = 5.25 => not leap year. ·an = atena) d 2096 = 2004 + CM-13 4 92 = HN-4 96 = 4m 7) 2012 January ist is saturday, then which day in the Indian Independence day of the same year. a) Sakurday (b) Wednesday e) Tohursday d) Friday. * no. of . days of month - 28 days for all month, it it passes Jan 1st 2012 = Sunday Aug 15th 2012 = Independence day, through full month. 31 = Remainder (3) Zan= 3 Feb = 28-28 = 0 sonday + 3 = wednesday. MAY = 31-28 =3 Ubl = 30 - 58 = 5 May = 31 -20 = 3 June = 30 - 28=2 IOLY = 31-28=3 AU9=15 8) which year has the same calendar as 1700 a) 1705 18 1706 c) 1707 d) 1708 1700 => 52 week + 1 day (NL) Sum-of All = 7 day 1701 -> 52 week + 1 day (NL) som of Au + 1 1702 => 52 Wealt + Iday (NL) 1705+1 = 1706 1703 = 52 week 1 1day (NH) 1704 => 52 week + 2 day (L) 1705 => 52 week + 1 day (NL)

9) If Arun's birthday is on May 25 which is Honday L-VALLIAPPAN and his sister's lirthday is on July 13- which day 39111054 of the week in his sister's brithday. N 195111355 gar) Monday 6.) Wednesday (1) Tahurisday di) Frieday = Remainder (0) May=6 June= 2 :. so same day IULY = 13 Total = 21 10) Monch 1st is wednesday, which months of the same year starts with the same day? a) october by November c) December d) None. of. These March has: 31 days -> to April Appil has = 30 days => to may May has = 31 days -> to Tune Jone has = 30 days > to soly July has = 31 days -> to August August has = 31 days -> to september September has = 30 days > 60 october october has = 31 days > to November march to november is only divisible by 7. 245 = 35 corremainder. 7